

PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. T5951.CIP4	SERIAL NO. 10/611,632
LIST OF PRIOR ART CITED BY APPLICANT		APPLICANT Atherley	
		FILING DATE 06/30/03	GROUP

OCT 03 2003  
PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

## U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RBW	AA	3,388,946	Jun. 18, 1968	Grace			
	AB	3,588,171	Jun. 28, 1971	Rich, Jr.			
	AC	3,627,073	Dec. 14, 1971	Grimm			
	AD	3,741,596	Jun. 26, 1973	Cate			
	AE	3,758,153	Sep. 11, 1973	Bonikowsky			
	AF	3,927,727	Dec. 23, 1975	Hanagan			
	AG	4,095,820	Jun. 20, 1978	Hanagan			
	AH	4,125,285	Nov. 14, 1978	Hanagan			
	AI	4,451,083	May 29, 1984	Marchello			
	AJ	4,688,509	Aug. 25, 1987	Nishida			
V	AK	4,691,963	Sep. 8, 1987	Mikuniya et al.			
RBW	AL	4,779,695	Oct. 25, 1988	Yasui			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
RBW	AM	4-331676(A)	19.11.1992	JP			
RBW	AN	SU 1507-637-A	15.09.1989	Soviet Union			
RBW	AO	JP2011482	16.01.1990	JP			
	AP						
	AQ						

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

AR		
AS		
AT		

EXAMINER <i>Lodine B White</i>	DATE CONSIDERED <i>5/5/04</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RBW	BA 4,779,924	Oct. 25, 1988	Rudel			
↑	BB 4,925,513	May 15, 1990	Witzke et al.			
	BC 5,040,632	Aug. 20, 1991	Fujii et al.			
	BD 5,088,747	Feb. 18, 1992	Morrison et al.			
	BE 5,165,754	Nov. 24, 1992	Louys			
	BF 5,176,860	Jan. 5, 1993	Storch			
	BG 5,190,350	Mar. 2, 1993	Hwang et al.			
	BH 5,353,734	Oct. 11, 1994	Tani			
	BI 5,533,783	Jul. 9, 1996	Harms et al.			
	BJ 5,542,747	Aug. 6, 1996	Burchi			
↓	BK 5,639,145	Jun. 17, 1997	Alderman			
RBW	BL 5,675,853	Oct. 14, 1997	Linge			

## FOREIGN PATENT DOCUMENTS

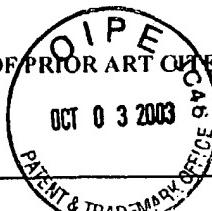
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BM					
	BN					
	BO					
	BP					
	BQ					

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

BR		
BS		
BT		

EXAMINER <i>Kathy P White</i>	DATE CONSIDERED <i>3/3/04</i>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RBL	CA	5,713,630	Feb. 3, 1998	Kvalvik			
↑	CB	5,720,518	Feb. 24, 1998	Harrison			
	CC	5,722,729	Mar. 3, 1998	Carilli			
	CD	5,735,229	Apr. 7, 1998	House et al.			
	CE	5,762,842	Jun. 9, 1998	Burchi et al.			
	CF	5,802,642	Sep. 8, 1998	Slaughter			
↓	CG	6,345,865	Feb 12, 2002	Ashida et al.			
RBL	CH	6,371,233	Apr 16, 2002	Ishii			
	CI						
	CJ						
	CK						
	CL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	CM						
	CN						
	CO						
	CP						
	CQ						

## OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

CR		
CS		
CT		
EXAMINER	<i>Rodney B. Blute</i>	DATE CONSIDERED <i>5/3/04</i>

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